

PROJECT ENGINEER: PJS

DESIGNED BY: JWJ

DRAWN BY: JWJ

REVIEWED BY: PJS

- ALL REMOVED CONCRETE IS TO BE PLACED IN EITHER OPTION 1
 AREA OR OPTION 2 AREA AS SHOWN ON THE PLANS. THE OWNER
 WILL DECIDE ON WHICH AREA WILL BE USED FOR DISPOSAL. REFER
 TO SPECIFICATIONS.
- 2. ALL INGRESS/EGRESS AREAS TO BE RECLAIMED TO PRE-PROJECT REMOVAL CONDITION AND STABILIZED AS PER THE PLANS.
- ALL EQUIPMENT OPERATING INSIDE THE RIVER CHANNEL MUST BE INSPECTED DAILY FOR ANY LEAKAGE.
- 4. CONTRACTOR SHALL COMPLY WITH ALL PERMITS.
- 5. COFFER DAMS SHALL BE RECLAIMED/LEVELED TO A MAXIMUM HEIGHT OF ONE FOOT ABOVE NATURAL RIVER BOTTOM.
- CONTRACTOR SHALL CONTACT AND COORDINATE WITH ANY ADJACENT LANDOWNERS BEFORE UTILIZING ANY PRIVATE ROADWAYS.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BY NOTIFYING "ONE CALL" AT LEAST TWO BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.
- 8. ALL DIMENSIONS SHOWN ARE IN DECIMAL FEET.
- 9. ACTUAL DAM STRUCTURE DIMENSIONS TO BE MEASURED AND RECORDED DURING DEMOLITION PHASE.
- 10. REINFORCEMENT STEEL WAS OBSERVED BY THE ENGINEER IN THE DAM.
- 11. CONSTRUCTION SHALL COMPLY WITH THESE PLANS AS WELL AS THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 12. DUE TO THE COMPLEXITY INVOLVED, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE DURING ALL ASPECTS OF THE RIVERBANK RECONSTRUCTION PROCESS. THE OWNER'S REPRESENTATIVE SHALL APPROVE THE LOWER FES LIFT BEFORE THE CONTRACTOR PROCEEDS WITH THE UPPER LIFT.

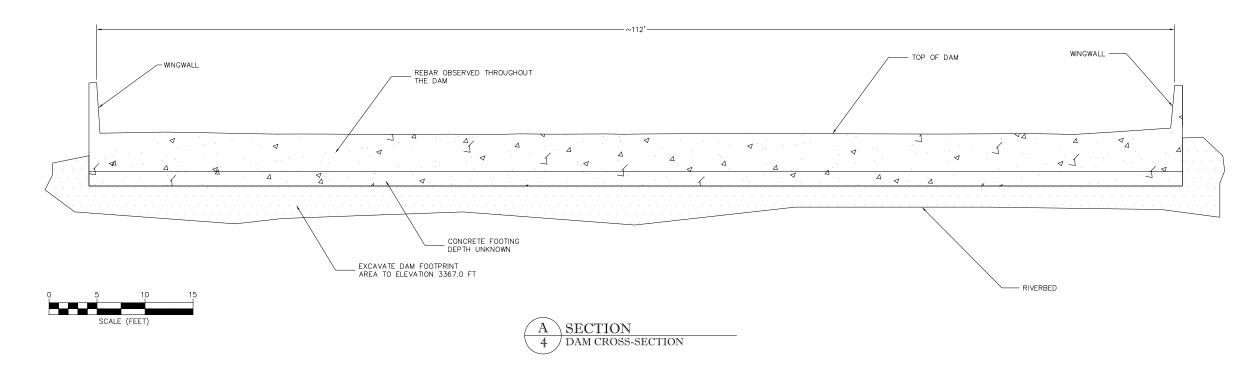
EGGE DIVERSION DAM REMOVAL
DESIGN PLAN
GOLDEN VALLEY COUNTY, MT

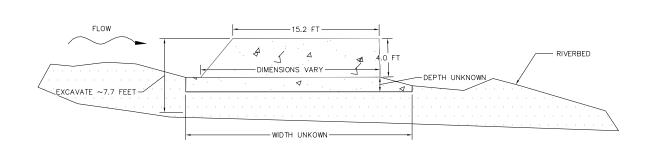
32 DISCOVERY DRIVE BOZEMAN, MT 59718 PHONE (406) 582-0221 FAX (406) 582-5770 www.alliedengineering,com



PROJECT	#: 14-043	SHEET
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DESIG	N PLAN	4

EGGE DIVERSION DESIGN PLAN





CROSS—SECTION VIEW IS TYPICAL FOR CONCRETE /WOOD DEBRIS
SMALLER THAN 1.5 FT DIAMETER. SEE SPECIFICATION 02140 AND 02150
FOR DETAILED INSTRUCTION.

ONSITE EXCAVATED SAND/GRAVEL
MATERIAL AND/OR COMMON
BACKFILL 1.5 FT LIFT

CONCRETE DEBRIS
LARGER THAN 1.5' FT DIAMETER. SEE SPECIFICATION 02240.

ONSITE EXCAVATED SAND/GRAVEL MATERIAL
AND/OR COMMON BACKFILL PLACED AND
COMPACTED IN 1.5 FT LIFTS

CONCRETE DEBRIS
LARGER THAN 1.5' FT DIAMETER. SEE SPECIFICATION 02240.

FOR DETAILED INSTRUCTION.

ONSITE EXCAVATED SAND/GRAVEL MATERIAL
AND/OR COMMON BACKFILL PLACED AND
COMPACTED IN 1.5 FT LIFTS

CONCRETE DEBRIS
LARGER THAN 1.5 FT

LARGER THAN 1.5 FT

NATIVE GROUND

SALVAGE TOPSOIL IN BOTTOM AND SIDES OF CANAL AND USE AS TOPSOIL COVER. EACH SAND/GRAVEL LIFT TO BE COMPACTED TO 90% OF STANDARD PROCTOR DENSITY (ASTM D-698). FINAL TOPSOIL LIFT TO MATCH ADJACENT GROUND. IRRIGATION CANAL DIMENSIONS ARE APPROXIMATE.

0 5 10 1

B SECTION
4 HEADWALL CROSS-SECTION

0 5 10 15 SCALE (FEET) C SECTION
4 IRRIGATION CANAL CROSS SECTION

NOT

 CONCRETE DIVERSION DAM DIMENSIONS SHOWN ARE APPROXIMATE. DIMENSIONS VARY ALONG LENGTH OF STRUCTURE.

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				PROJECT ENGINEER: PJS	DRAWN BY: JWJ
			TROOLOT ENGINEERS TOO BRANIN BT. 0	BIOMIN BT. 6116	
				DESIGNED BY: JWJ	REVIEWED BY: PJS
			<u> </u>		

EGGE DIVERSION DAM REMOVAL DETAILS GOLDEN VALLEY COUNTY, MT

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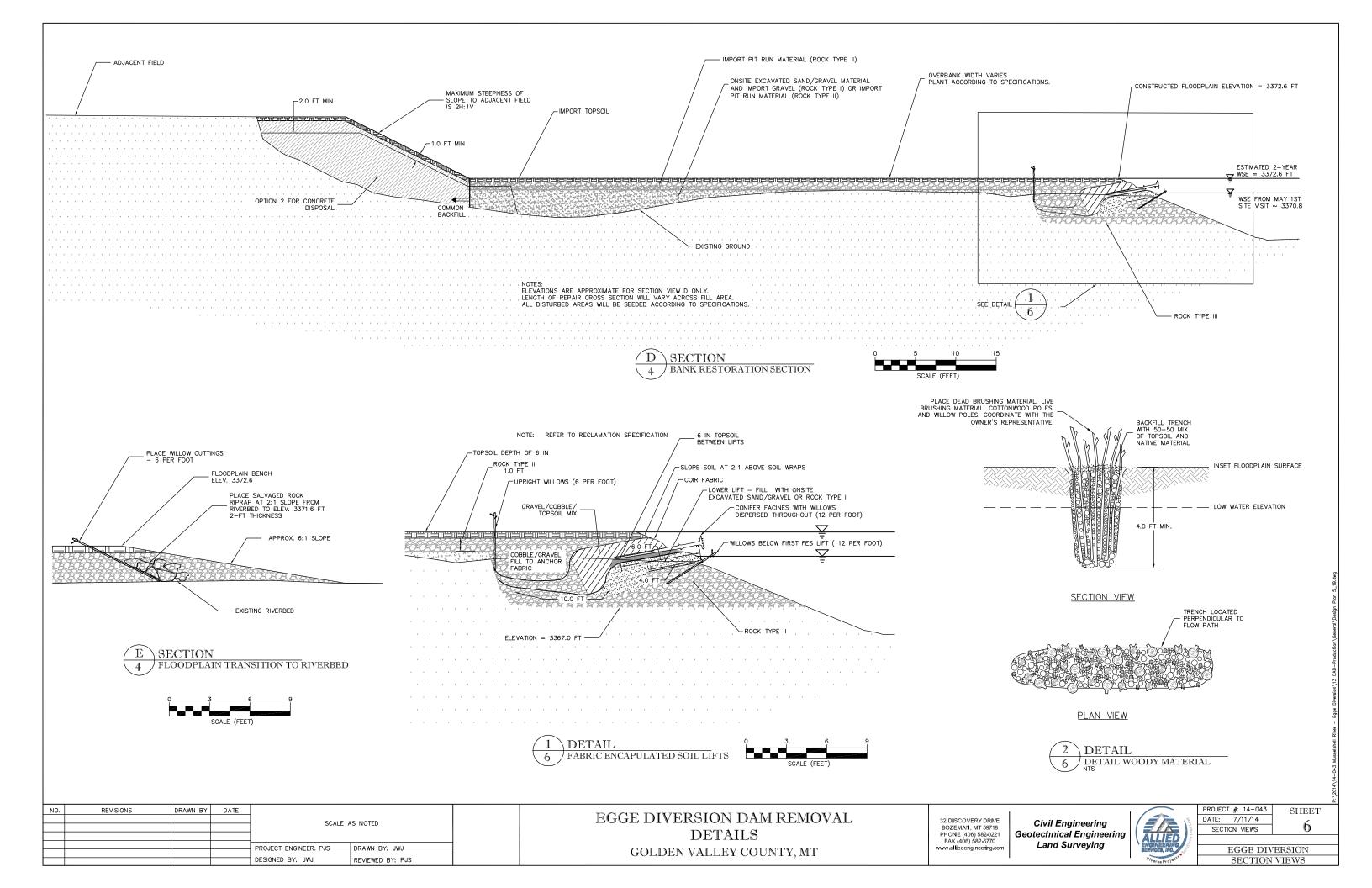
Civil Engineering Geotechnical Engineering Land Surveying

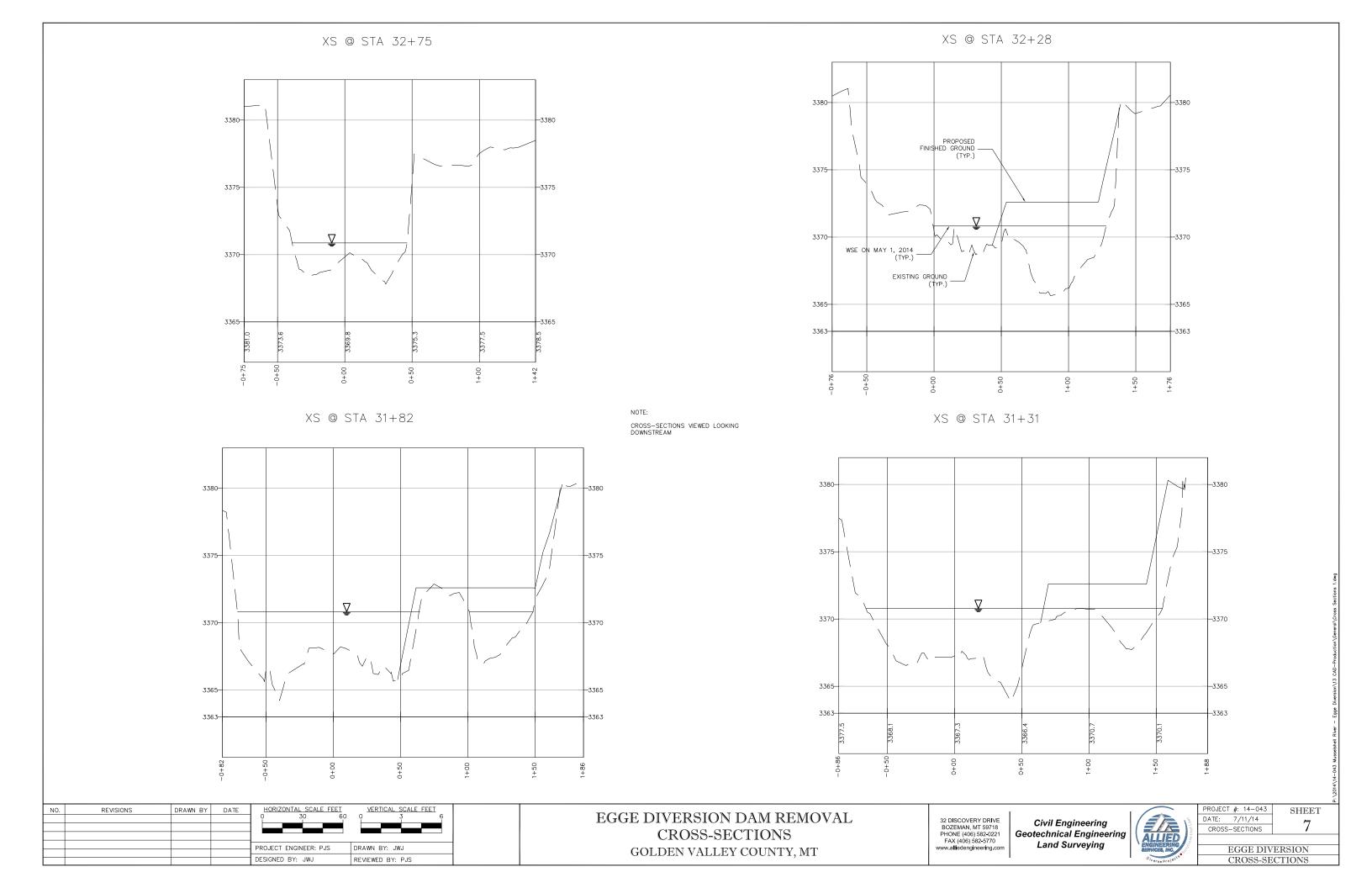
1	ALLIED ENGINEERING SERVICES, INC.

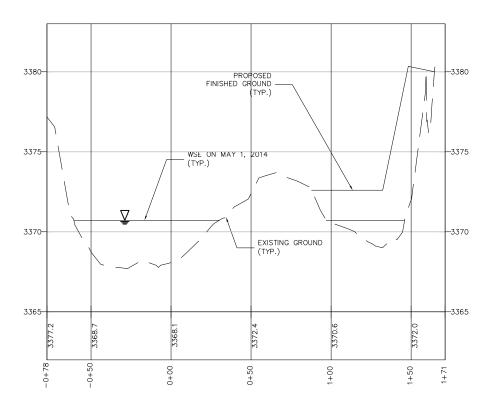
NOTES:
CONCRETE DEBRIS SHOULD BE PLACED IN LIFTS AND LOCKED TOGETHER SUFFICIENTLY TO ALLOW MATERIAL TO BE PLACED AND COMPACTED OVER THE TOP. THE FILL AREA SHOULD BE CAPPED WITH A MINIMUM OF 18 INCHES OF MATERIAL INCLUDING SIX INCHES OF TOPSOIL. NO HAZARDOUS MATERIAL SHALL BE BURIED IN THE FILL AREA.

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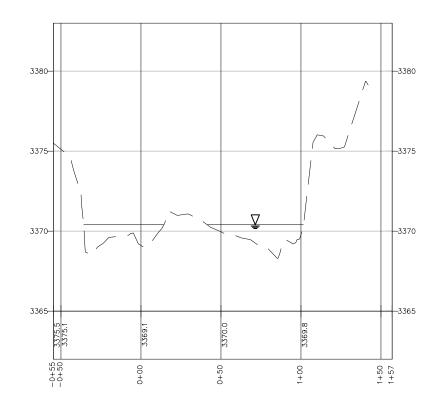
EGGE DIVERSION
DETAILS





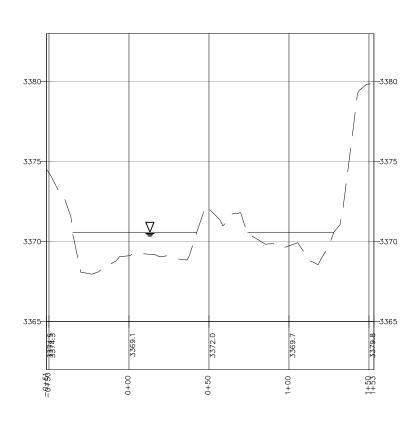


XS @ STA 29+82

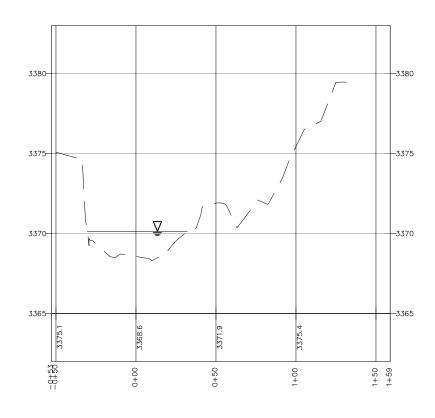


NOTE:

CROSS-SECTIONS VIEWED LOOKING DOWNSTREAM



XS @ STA 29+33



NO.	REVISIONS	DRAWN BY	DATE	HORIZONTAL SCALE FEET	VERTICAL SCALE FEET
				0 30 60	0 3 6
				PROJECT ENGINEER: PJS	DRAWN BY: JWJ
				DESIGNED BY: JWJ	REVIEWED BY: PJS

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CROSS-SECTIONS
GOLDEN VALLEY COUNTY, MT

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EGGE DIVERSION PROJECT OVERVIEW

